

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)	
)	FOR: NANOPOROUS SILICON
Vicki CHIN)	BIOREACTOR
)	
Serial No.: Unknown)	Group
)	Art Unit: Unknown
Filed: Herewith)	

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Mail Stop Patent Application
Commissioner for Patents
P. O. Box 1450
Alexandria VA 22313-1450

Attention: Examiner

Dear Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to patentability of the invention disclosed and claimed in the new patent application filed herewith and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

Applicants are submitting herewith copies of the references which are set forth on the attached Form PT/SB/08A. As all relevant parts of the references are in the English language, no explanation of the references is provided herein.

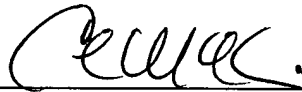
Further, while the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specifically designated as such.

Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

Respectfully submitted,

Dated: February 25, 2004

By:



Colleen J. McKiernan, PhD
Agent for Applicants
Registration No. 48,570

BROWN MARTIN HALLER & McCLAIN LLP
1660 Union Street
San Diego, California 92101

Telephone: (619) 238-0999
Facsimile: (619) 238-0062

Docket No.: 6627-P1054D

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	unknown
				Filing Date	herewith
				First Named Inventor	Vicki CHIN et al
				Group Art Unit	unknown
				Examiner Name	unknown
Sheet	1	of	4	Attorney Docket Number	6627-P 1054D

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	1	5,827,729		Naughton et al.	10/27/1998		
	2	6,103,479		Taylor	08-15-2000		
	3	6,197,575		Griffith et al.	03-06-2001		
	4	6,218,182		Naughton et al.	04-17-2001		
	5	6,228,607		Kersten et al.	05-08-2001		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴ Code ⁵ (if known)	Kind			
			NONE				

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Examiner Name	unknown				
Sheet	2	of	4	Attorney Docket Number	6627-PA1054

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	6	Allen, J.W. et al. Advances in Bioartificial Liver Devices, Hepatology. 34:447-455 (2001)	✓
	7	Bellet, D. et al. Controlled Drying: The Key to Better Quality Porous Semiconductors, Advanced Materials, 10:487-490 (1998)	✓
	8	Bhatia, S.N. et al. Controlling cell interactions by micropatterning in co-cultures: Hepatocytes and 3T3 fibroblasts, Journal of Biomedical Materials Research, 34:189-199 (1997)	✓
	9	Bhatia, S.N. et al. Effect of cell-cell interactions in preservation of cellular phenotype: cocultivation of hepatocytes and nonparenchymal cells, The FASEB Journal, 13:1883-1900 (1999)	✓
	10	Bhatia, S.N. et al. Microfabrication of Hepatocyte/Fibroblast Co-cultures: Role of Homotypic Cell Interactions, Biotechnol. Prog., 14:378-387 (1998)	✓
	11	Bhatia, S.N. et al. Micropatterning Cells in Tissue Engineering, Methods in Molecular Medicine, 18:349-363	✓
	12	Bhatia, S.N. et al. Tissue Engineering at the Micro-Scale, Biomedical Microdevices 2:2, 131-144 (1999)	✓

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Sheet	3	of	4	Attorney Docket Number	6627-PA1054

	13	Canham, L.T., et al. Derivatized Mesoporous Silicon with Dramatically Improved Stability in Simulated Human Blood Plasma, Advanced Materials, 11:1505-1507 (2000)	✓
	14	Chen, C.C. et al. Size Dependence of Structural Metastability in Semiconductor Nanocrystals, Science, 276:398-401 (1997)	✓
	15	Chin, V. et al. Compatability of Primary Hepatocytes with Oxidized Nanoporous Silicon, Advanced Materials, 13:1877-1880 (2001)	✓
	16	Curtis, A. et al. Topographical control of cells, Biomaterials, 18:1573-1583 (1997)	✓
	17	Curtis A. et al. Nantotechniques and approaches in biotechnology, Trends in Biotechnology, 19:97-101 (2001)	✓
	18	Hodgson, J. ADMET-turning chemicals into drugs, Nature Biotechnology, 19:722-726 (2001)	✓
	19	Nagamori, S. et al. Developments in bioartificial liver research: concepts, performance, and applications, Journal of Gastroenterology, 35:493-503 (2000)	✓
	20	Selden, C. et al. What keeps hepatocytes on the straight and narrow? Maintaining differentiated function in the liver, Gut, 44:443-446 (1999)	✓
	21	Steiner, P. et al. Micromachining applications of porous silicon, Thin Solid Films, 255:52-58 (1995)	

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				Examiner Name	unknown
Sheet	4	of	4	Attorney Docket Number	6627-PA1054

	22	Stewart, M.P. et al. Chemical and Biological Applications of Porous Silicon Technology, Advanced Materials, 12:859-869 (2000)	
	23	Webster, T. J. et al. Enhanced functions of osteoblasts on nanophase ceramics, Biomaterials 21:1803-1810 (2000)	

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